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Sheet 1 of 1

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| Application Number | 10/785,558 |
| Filing Date | 02/24/2004 |
| First Named Inventor | Hulse |
| Art Unit | 2875 |
| Examiner Name | Not yet assigned |
| Attorney Docket Number | 0232W/00027-U |

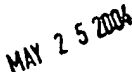
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| Examiner Signature |  | Date Considered | 07/25/05 |
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| Sheet | 1 | of | 3 |
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U. S. PATENT DOCUMENTS

| U. S. PATENT DOCUMENTS | | | | | |
|------------------------|-----------|--|--------------------------------|--|---|
| Examiner Initials* | Cite No.† | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number-Kind Code ² (if known) | | | |
| JL | | US- 4,111,520 | 09-1978 | Bernal G. | |
| JL | | US- 4,298,869 | 11-1981 | Okuno | |
| JL | | US- 4,422,719 | 12-27-1983 | Orcutt | |
| JL | | US- 4,376,946 | 03-1983 | Kaminow et al. | |
| JL | | US- 4,597,033 | 06-1986 | Meggs et al. | |
| JL | | US- 4,607,317 | 08-1986 | Lin | |
| JL | | US- 4,767,172 | 08-1988 | Nichols' et al. | |
| JL | | US- 4,785,567 | 11-1988 | Consiglio | |
| JL | | US- 4,891,896 | 01-1990 | Boren | |
| JL | | US- 4,976,057 | 12-1990 | Bianchi | |
| JL | | US- 4,996,632 | 02-1991 | Aikens | |
| JL | | US- 5,057,981 | 10-1991 | Bowen et al. | |
| JL | | US- 5,151,679 | 09-1992 | Dimmick | |
| JL | | US- 5,201,020 | 04-1993 | Kannabiran | |
| JL | | US- 5,219,217 | 06-1993 | Aikens | |
| JL | | US- 5,301,090 | 04-1994 | Hed | |
| JL | | US- 5,303,133 | 04-1994 | Wagner | |
| JL | | US- 5,365,411 | 11-1994 | Rycroft et al. | |
| JL | | US- 5,375,043 | 12-1994 | Tokunaga | |

FOREIGN PATENT DOCUMENTS

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|--------------------|-----------------------|--|--------------------------------|--|---|
| | | Number-Kind Code ² (if known) | | | |
| JL | | US- 5,410,453 | 04-1995 | Ruskouski | |
| JL | | US- 5,416,679 | 05-1995 | Ruskouski et al. | |
| JL | | US- 5,459,955 | 10-1995 | Ruskouski et al. | |
| JL | | US- 5,475,786 | 12-1995 | Nishiguchi et al. | |
| JL | | US- 5,497,440 | 03-1996 | Croitoru et al. | |
| JL | | US- 5,526,236 | 06-1996 | Burnes et al. | |
| JL | | US- 5,537,297 | 07-1996 | Ghandehari | |
| JL | | US- 5,588,236 | 12-1996 | Suzuki | |
| JL | | US- 5,613,751 | 03-1997 | Parker et al. | |
| JL | | US- 5,618,096 | 04-1997 | Parker et al. | |
| JL | | US- 5,640,792 | 06-1997 | Smith et al. | |
| JL | | US- 5,694,513 | 12-1997 | Okaniwa | |
| JL | | US- 5,842,297 | 12-1998 | Tung | |
| JL | | US- 5,876,107 | 03-1999 | Parker et al. | |
| JL | | US- 5,879,076 | 03-1999 | Cross | |
| JL | | US- 5,887,968 | 03-1999 | Logan | |
| JL | | US- 5,921,652 | 07-1999 | Parker et al. | |
| JL | | US- 5,934,792 | 08-1999 | Camarota | |
| JL | | US- 5,950,340 | 09-1999 | Woo | |

FOREIGN PATENT DOCUMENTS

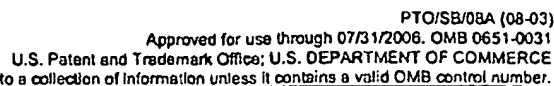
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